

Cyber Science & Technology

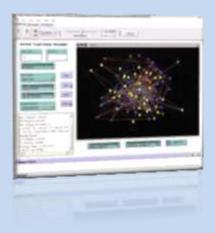






CHALLENGES

- Mission modeling and cyber situational awareness for assuring effective missions
- > Cyber agility to disrupt/deny adversary attack planning
- > Cyber resiliency to fight through and recover from attack
- > Hardware & Software "Root of Trust" for computational platform assurance
- > Full spectrum cyber operations for Cyberspace Superiority





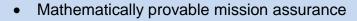
- Cyber Agility via IP hopping and instruction set morphing at sub-second rates
- Tactical cyber ops able to simultaneously affect multiple nodes (ESC)
- Comm Exploitation capabilities for airborne ISR (intel Community)



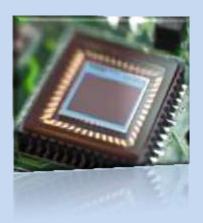
Mid (FY16 - FY20)

- Content/Mission-Aware trusted router 10Gb/sec for 24 AF
- 80% mission aware traffic for 24 AF
- Integrated Information Operations / SIGINT (USCYBERCOM)





- Agile infrastructure anticipates & reconfigures in real time
- Integrated/synchronized execution of effects in cyber, air and space



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